

SAMPLE

Construction Waste Management Plan

Section 1 – Overall Project Goal

The USGBC LEED rating system will be utilized for the five environmental categories: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, and Indoor Air Quality. All contractors subcontractors will be required to assist the Project Team achieve the goal of receiving a *LEED Silver Certification* for the project.

Section 2 – Intent of Waste Management Plan

The goal for the UC Sawyer Hall Renovation project is to divert a minimum of 75% of deconstruction, construction, and land clearing debris (by weight) generated at the project site from local landfill disposal. This will be accomplished by salvaging or recycling materials for reuse.

Section 3 – Credit Strategy

Adopt and implement the Construction Waste Management Plan (quantifying material diversion goal) of identified materials to be salvaged and/or recycled as required to meet LEED credits 2.1 and 2.2 (See Reference Manual for complete guide). All trade contractors and their subcontractors are required to abide by this plan.

Section 4 – Credit Requirements

Develop and implement the waste management plan, quantifying material diversion goals. Recycle and/or salvage at least 75% of construction, demolition and land clearing waste. Calculations to be done by weight, not volume, for this project.

Section 5 – Waste Management Guidelines

Part 1 – Communication

1. Contractors, subcontractors and material suppliers shall fully participate in the D/D-B Construction Waste Management Plan and meet or exceed the requirements as directed by the Bid and Contract Documents, and this plan.
2. Recycling, waste management strategies, and status updates will be discussed at weekly project meetings to ensure the success of the program.
3. The Construction Waste Management Plan will be communicated at all pre-bid meetings, pre-award meetings, project kick-off meetings with the contractors, and all subcontractors.
4. The D/D-B project manager, superintendent and project engineer are designated as responsible for instructing workers and overseeing and documenting results of the Construction Waste Management Plan.
5. All contractors and subcontractors are expected to ensure all their crews comply with this plan.

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6. Lists of acceptable/unacceptable materials will be posted on recycling bins throughout the building and site. All recycling containers will be provided and clearly labeled as specified in the contract documents. All recycling containers for material storage shall be signed appropriately and visible on two sides of the container (and be bi-lingual as craft force dictates).
7. Waste Prevention – All contractors and subcontractors will be provided with the Construction Waste Management Plan. It will also be posted in the project office trailer. Each contractor will identify and submit their waste prevention strategies employed on the project to meet contract goals and specifications.

Part 2 – Materials (Salvaged and Recycled)/Methods

1. Salvaged for Reuse – The following items, in addition to others as noted on the plans and in the specifications, when designated for removal are to be salvaged and stored for reuse by the owner. The D/D-B shall be notified when items are to be removed, packaged and shipped as outlined in the contract documents.
 - * Site lighting
 - * Building signage
 - * Fitness equipment
 - * Site signage
 - * Furniture/appliances
 - *Cameras
 - * Site furnishings
 - * Card readers
 - *Misc. M/E/P gear
2. Salvaged for Reuse – The following items, when designated for removal are to be salvaged and or donated for reuse whenever the material is in reusable condition. The salvage company must submit to the D/D-B an itemized listing of all materials salvaged, approximate weights, photographs, and/or the value of said items. These include but are not limited to:
 - *Metal cabinets
 - *PLAM cabinets
 - *Wood shelving
 - *Light fixtures
 - *Mirrors
 - *Medicine cabinets
 - *Doors
 - *Door hardware
 - *Shelving
 - *Garbage disposals
 - *Countertops
 - *Fans
3. Deconstruction Waste Expected – The following, although not inclusive, is a list of waste items expected to be generated during the deconstruction and construction of the project:
 - *Metals (steel, aluminum, copper, zinc, bronze, cast iron, etc.)
 - *Glass
 - *Masonry
 - *Concrete
 - *Gypsum
 - *ACT/VCT
 - *Woods
 - *Ceiling tiles
 - *Carpet
 - *Asphalt
 - *Tree removal
 - *Tile
 - *Porcelain
4. Recycled – At a minimum, the following materials are expected to be recycled:
 - *All Metals
 - *Cardboard/paper (from suppliers and packaging)
 - *Clean wood
 - *Gypsum drywall
 - *Asphalt
 - *Masonry
 - *Concrete
 - *Glass
 - *ACT
 - *Paint
 - *Insulation
5. Recycle Methods
 - Dispose of material in appropriate dumpster specifically labeled.

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- Material shall be broken up/broken down in order to maximize debris loads in bins/dumpsters.
- If bin/dumpster is not available for specific material, place acceptable materials in specific material pile only for future disposal. Coordinate with D/D-B for stockpile location if bin/dumpster is not available.

NOTE: HAZARDOUS MATERIAL CONTAINERS ARE NOT PERMITTED TO BE PLACED WITH SEGRAGATED MATERIALS. (Including paints, sealants, stains, solvents, etc.)

Part 3 – Management & Administration

1. Contractors and subcontractors that are caught throwing unacceptable materials into recycled material only bins will be required to remove the unacceptable material from the bin and dispose of it properly. If the guilty party refuses to remove the unacceptable material from the bin, they will be back charged for the labor and any other applicable costs required to do so.
2. Subcontractors who opt to recycle/reuse their own waste are required to submit a log and receipts of any and all quantities of such materials to the D/D-B.
3. LEED goals should be emphasized and reviewed by all on site contractors and subcontractors at weekly progress/scheduling meetings.
4. The D/D-B will collect the required credit submittal information and documentation (from the contractors) as outlined in the contract documents for submission to the USGBC.
5. On a monthly basis the D/D-B will collect hauling receipts, logs, etc. from contractors responsible for such. Receipts are required to record the quantity, by weight, of each material salvaged, reused, recycled, or disposed of from the project site, the final location, and use of the material.
6. Additional documentation of the Construction Waste Management Plan will occur through the use of job site photographs of recycling activities and methods.
7. Percentages of all salvaged and recycled materials will be calculated and displayed monthly as well as at the end of the project, demonstrating the amounts of salvaged or recycled items, based on weight.

Section 6 - Conclusion

The deconstruction and construction processes create large quantities of debris typically taken to local landfills. It is this plan's approach is to implement and document activities that divert debris from local landfills, salvage items for reuse, and recycle materials increasing their useful life.